Claims:

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1		Δ	water-based,	eracable	marking	composition	comprising
1	1.	$-\mathbf{\Lambda}$	waiti-bastu,	Crasauro	marking	COMPOSITION	COMPHISING.

- 2 1 86% by weight water;
- 3 0.3 38% by weight pigment;
- 4 0 85% by weight glycerin; and
- 5 13 45% by weight polyurethane, wherein said polyurethane
- 6 has a viscosity which increases by at least a factor of 10 when said
- 7 polyurethane is dried from a 30% dispersion of said polyurethane in water
- 8 to a 65% polyurethane dispersion in water.
- 1 2. The erasable composition of claim 1, further comprising a
- 2 surfactant.
- 1 3. The erasable composition of claim 2, wherein said surfactant is
- 2 a fluorosurfactant present at less than 1% by weight.
- 1 4. The erasable composition of claim 1, further comprising 0 -
- 2 0.5% by weight anti-microbial preservative.
- 1 5. A water-based, erasable marking composition comprising:
- 2 13 69% by weight water;
- 3 5 15% by weight glycerin;

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0.3 - 6% by weight pigment; and 4 26 - 42.5% by weight polyurethane, wherein said polyurethane 5 has a viscosity which increases by at least a factor of 10 when said 6 polyurethane is dried from a 30% dispersion of said polyurethane in water 7 to a 65% polyurethane dispersion in water. 8 6. The erasable composition of claim 5, further comprising a 1 surfactant. 2 7. The erasable composition of claim 6, wherein said surfactant is 1 a fluorosurfactant present at less than 1% by weight. 2 8. The erasable composition of claim 5, further comprising 0 -1 0.5% by weight anti-microbial preservative. 2 9. A water-based, erasable marking composition comprising: 1 2 52% by weight water; 9% by weight glycerin; 3 4% by weight pigment; and 4 5 35% by weight polyurethane, wherein said polyurethane has a viscosity which increases by at least a factor of 10 when said 6

polyurethane is dried from a 30% dispersion of said polyurethane in water

to a 65% polyurethane dispersion in water.

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1	10.	The erasable composition of claim 9, further comprising a			
2	surfactant.				
1	11.	The erasable composition of claim 10, wherein said surfactant			
2	is a fluorosı	urfactant present at $0.002 - 0.375\%$ by weight.			
1	12.	The erasable composition of claim 9, further comprising 0.05 –			
2	0.15% by w	reight anti-microbial preservative.			
1	13.	An application instrument comprising:			
2		an outer body having a first end;			
3		an applicator at said first end of said outer body;			
4		a reservoir included within said outer body and in fluid			
5	communication with said applicator; and				
6		a water-based, erasable marking composition within said			
7	reservoir, sa	id water-based, erasable marking composition comprising:			
8		1 - 86% by weight water;			
9		0.3 - 38% by weight pigment;			
10		0 - 85% by weight glycerin; and			
11		13 - 45% by weight polyurethane, wherein said polyurethane			

polyurethane is dried from a 30% dispersion of said polyurethane in water

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- to a 65% polyurethane dispersion in water.
- 1 14. The application instrument of claim 13, wherein said water-
- 2 based, erasable marking composition further comprises a surfactant.
- 1 15. The application instrument of claim 14, wherein said surfactant
- 2 is a fluorosurfactant present at less than 1% by weight.
- 1 16. The application instrument of claim 13, wherein said water-
- 2 based, erasable marking composition comprises:
- 3 13 69% by weight water;

- 5 15% by weight glycerin;
- 5 0.3 6% by weight pigment; and
- 6 26 42.5% by weight polyurethane, wherein said polyurethane
- 7 has a viscosity which increases by at least a factor of 10 when said
- 8 polyurethane is dried from a 30% dispersion of said polyurethane in water
- 9 to a 65% polyurethane dispersion in water.
- 1 17. The application instrument of claim 13, wherein said water-
- 2 based, erasable marking composition comprises:
- 3 52% by weight water;

- 4 9% by weight glycerin;
- 5 4% by weight pigment; and
- 6 35% by weight polyurethane, wherein said polyurethane
- 7 has a viscosity which increases by at least a factor of 10 when said
- 8 polyurethane is dried from a 30% dispersion of said polyurethane in water
- 9 to a 65% polyurethane dispersion in water.
- 1 18. The application instrument of claim 13, further comprising 0.05
- 2 0.15% by weight anti-microbial preservative.
- 1 19. The erasable marking composition of claim 1 wherein the
- 2 composition has an erasability of greater than 50%.
- 1 20. The erasable marking composition of claim 5 wherein the
- 2 composition has an erasability of greater than 50%.